

## WHAT IS CLAIMED IS:

1. ~~A system for controlling images according to applications, which is adapted for carrying out print recording of high resolution image delivered from an image supply source, and for delivering image to a display unit of an external equipment,~~

the system comprising:

an image input unit for inputting high resolution image delivered from the image supply source;

a high resolution image storage unit for storing the high resolution image inputted through the image input unit;

display image generating means for converting the high resolution image into low resolution image and for adding or attaching preservation location data in the storage means of the high resolution image to a portion of display range of this low resolution image to generate image for display;

output request means provided at the external equipment and for making request in order to carry out print output of the image for display displayed on the display unit;

a preservation location data reading unit for reading the preservation location data from the display image inputted from the output request means;

a transfer request/receiving unit for outputting image transfer request to the high resolution image storage unit on the basis of the preservation location data which has been read by the preservation location data reading unit and for receiving the high resolution image transferred on the basis of this request; and

an image output unit for outputting the high resolution image received by the transfer request/receiving unit.

2. A system for controlling images according to applications as set forth in claim 1,

which further comprises image replacement means for replacing high resolution image received by the transfer

request/receiving unit by low resolution image of which  
output is requested by the output request means to carry  
out synthesis thereof.

3. A system for controlling images according to  
applications as set forth in claim 2,

the system comprising:

means for judging whether or not corresponding page  
is page having image at the time of manuscript input;

storage means for preserving or storing the page  
having image as high resolution image for output;

means for implementing resolution conversion to low  
resolution image for terminal as the external equipment at  
the time of image input;

means for adding (attaching) preservation location of  
the output high resolution image to the low resolution image;

display image generating means for  
transferring/transmitting the low resolution image to which  
preservation location is attached to terminal;

external communication means for receiving transfer  
request and print image data from the terminal at the time  
of image output;

reading means for reading preservation location of  
high resolution image added (attached) to the low resolution  
image as the received print image data;

receiving means for reading, from the storage means,  
original low resolution image from the preservation  
location which has been read; and

the replacement means for replacing the high  
resolution image which has been read by the original low  
resolution image to carry out synthesis thereof.

4. A system for controlling images according to  
applications as set forth in claim 1,

wherein the system for controlling images according  
to applications is connected to plural external storage  
units which can store high resolution image, whereby when

Sub  
a1

~~high resolution image corresponding to the print image data which has been outputted for print request from the external equipment is not stored in the storage unit, a request for corresponding high resolution image is made with respect to external storage unit for storing the corresponding high resolution image to receive such image thereafter to output it to the image output unit.~~

5. A system for controlling images according to applications as set forth in claim 4,

the system comprising:

storage means for preserving or storing high resolution image for output;

means for reading preservation location of high resolution image added (attached) to low resolution image;

means for carrying out transfer request for high resolution image and reception of image with respect to external storage unit through network that the preservation location which has read indicates and for receiving such image; and

means for replacing the received high resolution image by original low resolution image to carry out synthesis thereof.

6. A system for controlling images according to applications as set forth in claim 1,

which further comprises selector means connected to plural external storage units which can store high resolution images and such that when image is inputted from the image supply source, it can select high resolution image in order to preserve such high resolution image into a specific external storage unit from the plural external storage units.

7. A system for controlling images according to applications as set forth in claim 6,

wherein the selector means serves to select the

external storage unit for preserving high resolution image  
for print output when image is inputted.

8. A system for controlling images according to applications as set forth in claim 1,  
wherein the high resolution image storage unit stores high resolution color image, and low resolution monochromatic image is displayed on the display unit of the external equipment as the display image.

9. A system for controlling images according to applications as set forth in claim 8,

the system comprising:

means for carrying out monochromatic conversion of high resolution image for print output when image is inputted;

means for carrying out storage/control of the converted high resolution image for monochromatic print along with color high resolution image;

means for discriminating whether print page having two kinds of print data of high resolution image and low resolution image is monochromatic or color at the time of image print output; and

means for reading out monochromatic or color high resolution image in accordance with the discrimination result to carry out replacement/synthesis thereof.

10. A system for controlling images according to applications as set forth in claim 1,

which further comprises a charging unit for carrying out charging simultaneously with read-out and output of high resolution image when request for output of high resolution image is made from the external equipment.

11. A system for controlling images according to applications as set forth in claim 10,

wherein the charging unit comprises means for carrying

EB  
a1

~~out replacement and synthesis of high resolution image for print which has been read out at the time of image print to carry out print output thereof.~~

12. A system for controlling images according to applications as set forth in claim 1,

which further comprises a region constituting unit constituted by optimum resolutions every featured region of page, and an image control unit such that when the region constituted by this region constituting unit is the region for which region where high resolution image for replacement is required, it controls the high resolution image every region.

13. A system for controlling images according to applications as set forth in claim 12,

wherein the image control unit comprises:

means for extracting image data every featured region within page in place of image data every page at the time of manuscript input;

means for reading preservation location of high resolution image every image data within page in place of image data every page at the time of print output; and

means for carrying out, every image data, replacement/synthesis of the high resolution image which has been read on the basis of the preservation location.

14. A system for controlling images according to applications as set forth in claim 1,

wherein terminal unit as the external equipment further comprises an operation unit for operating editing of image and an image editing unit such that in the case where editing of image is operated by this operation unit, it implements editing to high resolution image in synchronism with the operation.

15. A system for controlling images according to

applications as set forth in claim 14,

wherein the terminal unit for making print request to the image output unit comprises:

means such that in the case where image editing is implemented to low resolution image by image editing application, etc., it carries out storage/control of this editing past record;

means for reading preservation location of high resolution image added (attached) to the low resolution image; and

external communication means for issuing editing request for high resolution image with respect to the external unit that the preservation location which has been read indicates to transmit its editing past record thereof, and

wherein the system for controlling images according to applications comprises:

means for receiving editing request for high resolution image and editing past record from the terminal unit;

means for implementing matching processing from low resolution to high resolution with respect to editing past record; and

means for starting image editing application similar to the terminal on the basis of the editing request and for carrying out editing with respect to the high resolution image on the basis of editing past record to which matching processing has been carried out.

16. A system for controlling images according to applications as set forth in claim 1,

which further notification unit such that in the case where output request for high resolution image is made from the external equipment in the state where there is selected the system for controlling images according to applications in which high resolution image is not preserved, it notifies, to user, that the selected system for controlling images

~~According to applications does not preserve high resolution image and notifies which system for controlling images according to applications preserves requested high resolution image.~~

17. A system for controlling images according to applications as set forth in claim 16,

wherein terminal unit which makes print request to the image output unit comprises:

means for reading preservation location of high resolution image added (attached) to low resolution image,

means for judging whether or not unit that the preservation location which has been read indicates and image output unit of print request destination are the same; and

means for indicating this judgment result to user.

18. A system for controlling images according to applications as set forth in claim 1,

wherein terminal unit as the external equipment comprises an enlargement display request unit for making a request for display of high resolution image when image for display is displayed on the display unit in an enlargement manner.

19. A system for controlling images according to applications as set forth in claim 18,

wherein the terminal unit comprises:

means for discriminating that request for enlargement display more than a certain magnification is inputted by user with request to an image;

means for reading preservation location of high resolution image added (attached) to the above-mentioned image;

external communication means for issuing transfer request for high resolution image with respect to external unit that the preservation location which has been read

8b  
8a1

~~indicates to receive high resolution image data from the external unit;~~

means for replacing the received high resolution image by low resolution image to carry out synthesis thereof;

means for displaying this image.

gib  
a' →

gal  
a' →